ABSTRACT

A computer program is provided for determining and displaying fiber connectivity along a line of a SONET network. The computer program logs into each network element in the line and sets a section trace transmit value for each circuit pack group (CPG). The computer program then logs into each network element in the line, and reads the value of a received section trace value of each circuit pack group. The fiber connectivity is displayed using a data structure which allows crossed fibers to be seen readily by displaying the section trace transmit value and the section trace received value of CPGs in neighbouring network elements. The computer program allows the fiber connectivity along the line to be determined quickly, and crossed fibers to be noticed easily.